Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/16/2017 09:05 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125054	0	1.20	124934	1.16
Blue	F	SSC	125000	123639	-2	2.92	123936	2.60
Blue	E	FITC	23615	22974	-3	2.34	1023	10.20
Blue	D	PE	26739	26521	-1	1.88	951	9.94
Blue	B	PerCP-Cy5-5	48339	47280	-3	3.32	1358	16.68
Blue	A	PE-Cy7	45021	44098	-3	4.96	675	35.61
Red	C	APC	53064	52404	-2	2.89	3019	9.56
Red	A	APC-Cy7	57175	55860	-3	2.93	1156	11.36
Violet	B	V450	14728	14086	-5	5.05	679	9.08
Violet	A	V500	58621	57274	-3	4.94	2539	6.85

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19804	1.96	608	-6	N/A	N/A	Pass
Blue	F	SSC	61171	1.46	544	-2	N/A	N/A	Pass
Blue	E	FITC	114	39.65	545	-3	0.0210	195	Pass
Blue	D	PE	210	28.15	535	-1	0.1463	179	Pass
Blue	B	PerCP-Cy5-5	212	43.55	631	-4	0.0103	61	Pass
Blue	A	PE-Cy7	75	117.05	689	-4	0.0119	14	Pass
Red	C	APC	352	27.49	597	0	0.0199	37	Pass
Red	A	APC-Cy7	125	41.18	579	-1	0.0054	1612	Pass
Violet	B	V450	82	40.43	469	-1	0.0546	2065	Pass
Violet	A	V500	185	20.61	497	0	0.0174	255	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.94	-31.39	0.83
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	18.63	14.40 - 21.60	N/A	N/A	31.25	31.77	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 13227

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments